

**Notice of Allowability**

Application No.

09/937,461

Examiner

Annan Q. Shang

Applicant(s)

KUBOTA ET AL.

Art Unit

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed 09/07/07.
2. ☒ The allowed claim(s) is/are 1-18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Allowable Subject Matter*

1. Claims 1-18 allowed.
2. The following is an examiner's statement of reasons for allowance: With respect to independent claims 1 and 8-18, the instant invention is directed to a data transmission system for distributing predetermined data through transmission paths, a data transmitting apparatus for transmitting predetermined data through transmission paths, a data receiving apparatus for receiving predetermined data through transmission paths, a data transmitting method for distributing predetermined data through transmission paths, a data transmission system for transmitting moving picture data files through a transmission paths, a data transmitting apparatus for transmitting moving picture data files through a transmission paths, a data receiving apparatus for receiving predetermined data through transmission paths, a data transmitting method for transmitting moving picture data files through transmission paths, a data transmission system for transmitting movie contents files through satellite transponders, a data transmitting apparatus for transmitting movie content files through satellite transponders, a data receiving apparatus for receiving movie content files through satellite transponders and a data transmission method for transmitting movie contents files through satellite transponders. The relevant prior art of record, such as **Sie et al (6,973,662)** discloses method for providing programming distribution and transmits divisional parts of the programming through different networks. **Huizer et al (5,875,303)** discloses method and arrangement for transmitting an interactive audiovisual (AV)

program where a Server (1) stores sectors of AV program in the private section of the transport stream and a Receiver (2), which extracts the sectors from the transport stream and reassembles the sectors accordingly. **McMahon (7,020,195)** discloses layered coding and decoding of image data where divisional data files can be restored into original data when a predetermined number of packets are removed by the receiving apparatus from a group of packets generated by the data transmitting apparatus. **Tillman et al (6,496,980)** discloses method of providing replay on demand for streaming digital multimedia. However, neither **Sie, Huizer, McMahon** nor **Tillman** and any of the cited references teach or suggest, alone or in combination the feature of "...where the divisional data files can be restored into original data when a predetermined number of packets are removed by the data receiving apparatus from a group of packets generated by the data transmitting apparatus," as recited in combination with other features of independent claims 1, 8, 9, 11-13 and 17; and "...restoring the divisional data files into original data when a predetermined number of packets are removed from a group of packets" as recited in combination with other features of independent claim 10; "...restoring the divisional distribution data files into the moving picture data file when a predetermined number of packets are removed from a group of packets" as recited in combination with other features of independent claim 14; and "...the divisional distribution data files can be restored into the movie contents file when a predetermined number of packets are removed by the data receiving apparatus from a group of packets generated by the data transmitting apparatus" as recited in combination with other features of independent claims 15 and 16.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Geer et al (6,788,882) disclose systems and methods for storing a plurality of video streams on RAM and time-and channel-based retrieval.

Aramizu et al (6,493,356) disclose segmentation and reassembly system for ATM communication network improved in throughput.

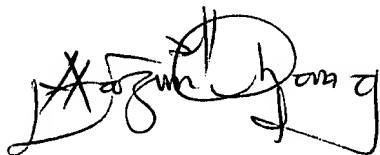
Longworth et al (7,016,951) disclose system and method for network security.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Annan Q. Shang** whose telephone number is **571-272-7355**. The examiner can normally be reached on **700am-400pm**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Christopher S. Kelley** can be reached on **571-272-7331**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the **Electronic Business Center (EBC) at 866-217-9197 (toll-free)**. If you would like assistance from a **USPTO Customer Service Representative** or access to the automated information system, call **800-786-9199 (IN USA OR CANADA) or 571-272-1000**.

A handwritten signature in black ink, appearing to read 'Annan Q. Shang', with a stylized flourish at the end.

**Annan Q. Shang**